

James Derrick Kendrick

BSc Tech. (Manc.) AMCT, FIES (Aust & NZ), MCIBSE (UK), CEng. (UK)

Birth: 10 May 1927 at Chester, England, UK Nationality: British/Australian.

Retired: 31st December 1992: but appointed Visiting Research Fellow (1993-present), School of Architecture, Landscape Architecture and Urban Design, The University of Adelaide, Adelaide, South Australia 5005, Australia.

Education: Chester, England; UK. (1939 to 1945)
National Service: British Army (1947 to 1949)

Academic: BSc Tech. in Building Technology (1952) from Faculty of Technology, University of Manchester (now UMIST - University of Manchester institute of Science and Technology).

Academic Appointments:

Evening Lecturer, Royal Technical College, Salford, UK. (1950'51 & 1951-52).

Assistant Lecturer (1952), promoted Lecturer (1955), Department of Architecture, Royal College of Science and Technology, Glasgow, Scotland.

Senior Lecturer in Building Science (1958) at new School of Architecture, The University of Adelaide, South Australia, to pioneer and develop Building Science teaching, research and laboratory facilities for the five-year BArch degree course and post-graduate degrees.

[Teaching and research was developed in fields of Building Materials, Structures and Construction: Sunlighting, Solar Radiation, Climate and Thermal Performance; Architectural Acoustics and Noise Control; Daylighting and Electric Lighting; Building Services; Internal and External Environment; Ergonomics; Design, Planning and Construction for Fire; Human Responses: Legal Aspects; and applications in Architectural Studio Work. (Some 400 final year undergraduate Building Science Research Projects supervised.) Consultant on Studio Work projects and Assessor at Jury Critiques.]

Administration:

Adviser/Moderator, external examinations for West of Scotland Technical Education (1954-58);
Examiner, Building Construction, Royal institution of Chartered Surveyors (UK) (1956);

Member, Faculty of Architecture and Planning at University of Adelaide (1958-present);

Member, University of Adelaide Board of Research Studies (PhD's) (1961-1972);

Member, Education Committee (The Academic Board), University of Adelaide (1970-1992);

Chairman/Head, Department of Architecture, University of Adelaide (1970-71, 1988 -19901:

Dean, Faculty of Architecture and Planning, University of Adelaide (1970-71, 1977, 1991-1992).

Professional Qualifications:

Australia:

Member (1958), Fellow (1968-present), Illuminating Engineering Society of Australia;

President, Architectural Research Group, Royal Australian institute of Architects (SA Chapter) (1962-1964);

Council Member, Illuminating Engineering Society (SA) (1963 and 1993-present) & National Convention Committee (1968, 1986 & 1999):

Member, Adelaide Festival of Arts Committee on City illumination (1959-1962);

Member, Energy in Buildings Consultative Committee to South Australian Government Minister for Mines and Energy (1979-1982);

also:

'Foundation Member and Executive Committee (1963 - 1970), Life Member (1985-present),
Conference Secretary (1st Conference in Adelaide, 1963) of Australia and New Zealand Architectural Science Association;

Member (1963), Foundation Member, SA Division of Building Science Forum of Australia (1969);

Foundation Member (1969), Member (1969-1982), Council Member (1977-1980) Australian Acoustical Society;

Foundation Member (?), Building Science Forum of Australia (SA Division)

and:

International:

Member, Architectural Association, London (1965-1983);

Associate Member in 1965-1969). Member (1969-1978) Illuminating Engineering Society (London) before merger to become Chartered Institute of Building Services Engineering Member (MCIBSE) (1978-present) and Elected Chartered Engineer (C.Eng.) (1988-present)

Unattached Member of international Council for Building Research and Documentation (GIB) (1964-1992) -. represented Australia at Symposium on Problems of Climate and Building, Vienna (1965);

Australian Member. Commission Internationale de l'Eclairage (CIE) (International Lighting Commission) in the field of Daylight (1963-present) and Associate Director, CIE Division 3 Interior Environment and Lighting Design (1983-1993); Technical Committee Chairman for TC 3-07 - "Preparation of Programme for international Daylight Availability Measurements" (1983-1991) and international Daylight Measurement Year (IDMY)(1991)- Chairman, second committee, TC 3-25, "To Monitor International Daylight Availability Measurements" (1991-1993); committee meetings organised and conferences held at Berlin (twice), Cambridge (UK) (twice), Paris, Venice, Lausanne, London, Singapore, Goteborg, Berkeley, Phoenix, Long Beach, Moscow (twice), Vienna, Budapest, Tokyo, Taormina, and Sydney and Melbourne.

Research Areas:

U Glasgow, Scotland: Research into building mortars, including frost resistance of external graffiti mural decorations:

U Adelaide, Australia: Research into complex inter-relationship involved in Architectural and Urban Bio-Environment and Building Design including:

Acclimatisation and Preferred Thermal Environment; Solar Radiation on Various Surfaces; Solar Radiation and Building Form; Solar Radiation on Hot Days; Micro-Climatic Traverses of Metropolitan Area of Adelaide; Functional Control of Building Bulk Using Daylight and Sunlight Indicators; Windows and Shading Devices; Ergonomics and Work Situations; Problems of Applying PSALI in Australia; Lighting Appraisals of Visual Environments; Low-Speed Wind Tunnel Studies; Energy and Buildings; Architectural Acoustics and Space Design: Environmental Noise and Control; The Law and Solar Access in Cities; Dynamic Aspects of Daylight; Daylight Availability Measurement Programme: Variability of Light; and Monograph on Dr Albert Dresler.

Research Grants:

Small annual grants averaging Aust \$5000 during period 1979-1989 in the field of Daylight Variability.

Time Lapse Film: Aust \$6000; and Acoustics Play (4 voices): Aust \$2000.

Large grants in 1990, jointly with University of Sydney, for Equipment and Daylight Measurements: Aust \$136,000 and 193,500.

Publications:

Some ninety papers published in national and international Conference Proceedings and refereed Journals in Building Science fields including thermal performance, acoustics and noise control, environmental planning and law, and especially lighting and daylighting.

Professional Activities:

'Consultant on wide range of Building Science subjects.

Over 120 Professional and Technical Public Lectures delivered.

Key Note speaker: 75th Anniversary Conference of Japanese Illuminating Engineering Institute, and Guest Speaker at Universities of Kyushu, Kyoto and Osaka and Ashikaga Institute of Technology, 1991.

Australia: External Assessor for Australian Research Grants Commission in fields of Lighting, Sunlighting and Daylighting.